

**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
STUDY PLAN**

Study ID code	CAPMC-T-0213-CP	
Title	Evaluation of cover crop varieties for RUSLE bio-mass and canopy development curve	
National Project No.	Cropland 3.1	
Study Type	AE	
Study status	Active	
Location	CAPMC	
Study Leader	David Dyer, CAPMC	
Duration	2002 - 2008	
Cooperators	NRCS state and field offices	
Land Use	Cropland, rangeland, disturbed areas	
Vegetative Practices	Primary	342 Critical area planting
	Secondary	550 Range planting
Resource concerns	<u>Resource</u>	<u>Consideration/Problem</u>
	Soil	Restoration, soil erosion
	Animals	Grazing land conservation
Long Range Plan	Study falls under Section IV, Part 1 of the CA PM LRP	
Description	Determine bio-mass and canopy development curve for RUSLE use	
Status of Knowledge	Bio-mass and canopy development curves of plant materials used in California are needed for the proper use of RSULE.	
Experimental Design	Not replicated	
Treatment 1	Title: 50 PLS per sq. foot planting of common species Description: Plant 20X20' plots	
Materials and Methods	Samples of seed assembled from PMC inventory. 20X20' plots planted in fall of 2002. Planting rate of 50 PLS per sq. foot used. Plant height and estimated percent cover	

evaluated every two weeks during the growing season.
Weed control is performed as needed.

Final Evaluations

PMC will continue to evaluate plots for stand persistence

Technology Transfer

Revise FOTG standards, Populate RUSLE with California plant performance data

Products

TechNote

Literature Cited

There is a need for California plant performance data use in RUSLE in support of farm bill programs

Keywords

Soil erosion, RSULE, cover crops

Review by:

CA. State Plant Materials Committee

Approvals:

As per approval of CAPMC Business Plan